



Project No: MCC001901030201
Project: Final Remedial Investigation
Client: AFCEE
Location: Site 24 - Vandenberg AFB
Northing: 640198.345

Borehole ID: HGL39(24MW15B)
Date: 12/7/2002
Geologist: M. Jackson
Checked By: D. Smith, R.G.
Ground Surface Elevation(ft msl): 459.20
Easting: 1768146.741

SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
2	[Cross-hatched symbol]	Silty sand with clay and gravel Pale yellowish brown to dark brown, moist, dense, 60% sand, 20% silt, 10% clay, asphalt initial 6", fill	fill						Shallow zone water not encountered.
4				454					
6	[Dotted symbol]	Poorly graded sand Pale yellowish brown to dark yellowish orange, moist, soft, 100% medium grained sand with trace gravel	SP		50	19/22/6	7.6		
8									
10					80	45/50/50 for 3"	3.8		
12									
14	[Diagonal lines symbol]			445					
16		Sand with clay Pale yellowish brown (sand) to medium gray (clay), moist, moderately dense, 95% medium grained sand, 5% clay (white chert sand grains within clay matrix)	SC	443	100	39/50/50 for 3"	3.6		
18	[Dotted symbol]		SP						
20					60	30/50 for 4"	7.0		
22		Poorly graded sand Pale yellowish brown, moist, soft, 100% medium grained sand							
24									
26		unit contains trace silt and clay and is moderately dense at 25'			100	14/38/43	6.5		
28									
30					60	26/50 for 4"	3.8		
32									
34	[Dotted symbol]								Set temporary well at 40'.
36		unit becomes very moist at 35'			100	19/42/50	5.5		
38		unit becomes saturated to very moist at 40'							
40				419	90	23/27/45	6.7		

Drilled By: Layne Christensen

Drill Method: Dual Tube Percussion

Drilling Equipment: AP-1000

Sampling Equipment: CA Mod Split Spoon

HydroGeoLogic, Inc.

4600 Northgate Blvd., Suite 207
 Sacramento, CA 95834

(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"

Total Depth Drilled: 71'

Sheet: 1 of 2



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SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
42		Sand with clay Pale yellowish brown with iron oxide staining (10%), moist, dense, 90% medium grained sand, 10% clay (white chert sand grains within clay matrix)	SC	417	90				
44			SP						
46					60	22/50 for 5"	3.7		
48		Poorly graded sand Pale yellowish brown, moist to very moist, soft, 100% medium grained sand							
50					70	25/38/50 for 4"	4.2		
52		unit becomes very moist with trace coarse sand (black chert) at 50'							
54		unit becomes very moist to saturated and 100% medium grained sand at 55'			40	18/50 for 5"	5.2		
56									
58									
60		unit becomes saturated at 60'			100	10/45/50 for 3"	4.0		
62		unit contains 5% small gravel (black/red chert, 5 mm x 2 mm, subrounded) at 63'							1420 Set temporary well at 69.5', above silty clay unit. 1450 Collect groundwater samples (HGL39-GW70). Boring converted to deep well 24MW15B. Well 24MW15A placed adjacent to this boring.
64									
66					100	10/16/24	4.1		
68									
70		Silty clay Olive gray, moist, stiff, low plasticity, 70% clay, 30% silt	CL	388	100	12/25/50 for 3"	4.0		
72									
74									
76									
78									
80									

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